CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.08/NMS/STEEL/2014-15 21.10.2014

TEST REPORT ON REINFORCEMENT STEEL

Customer	:	**Asst. Executive Engineer**, Kodigehalli Sub Division, BBMP, Bangalore.
Agency	:	**Mr. N.M. Shivakumar** # 7, 2nd Block, Juganahalli, Rajajinagar, Bangalore.
Name of the Work	:	Improvement of drains and asphalting to 1st Cross at CP Layout in Ward No. 08, Kodigehalli Sub Division, (Change of Place: CC Road and drain Kodigehalli Village surroundings) BBMP, Bangalore.
Reference	:	AEE/Kodigehalli/PR/ /2014-15 Dated: 15.10.2014
Date of Test	:	21.10.2014
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	8	0.40	510	552	13.05	O.K	O.K

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

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Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm^2	Tensile strength (Ultimate stress) N/mm^2	Elongation percent gauge length		
1	10	0.62	513	556	13.30	O.K	O.K

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T-2377

Job No.: CTCE/BBMP/W.No.08/NMS/CSR-10/652f/CUBE/2014-15 04.12.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
* Agency	: **Mr. N.M. Shivakumar** # 7, 2nd Block, Juganahalli, Rajajinagar, Bangalore.
* Name of the work	: Improvement of drains and asphalting to 1st Cross at CP Layout in Ward No. 08, Kodigehalli Sub Division, (Change of Place: CC Road and drain Kodigehalli Village surroundings) BBMP, Bangalore.
Reference	: AEE/Kodigehalli/PR/ /2014-15 Dated: 15.10.2014
* Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 01.12.2014

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.11.2014	04.12.2014	8.138	483.5	21.49
2	06.11.2014	04.12.2014	8.259	499.7	22.21
3	06.11.2014	04.12.2014	8.399	523.4	23.26

* Information is furnished by the Customer/Representative

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VISHWANATH .C
Quality Manager

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T-2377

Job No.: CTCE/BBMP/W.No.08/NMS/CSR-10/652f/CUBE/2014-15 05.12.2014

TEST REPORT ON CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
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* Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 01.12.2014

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.11.2014	05.12.2014	8.145	483.5	21.49
2	07.11.2014	05.12.2014	8.258	498.6	22.16
3	07.11.2014	05.12.2014	8.398	511.3	22.72

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